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AIP
SUP
AIP SUP 15/25
05 MAR 2025

Provision of remote AFIS at OEAO from a Remote Tower Center (RTC)

1 .Purpose

1.1. The purpose of this AIP Supplement is to provide information on the operation of remote AFIS at OEAO (Alula International Airport) from a Remote Tower Center (RTC) center located at King Abdulaziz International Airport (OEJN) using Digital-Tower Systems starting from 06 MAR 2025.

1.2. The Digital video cameras are mounted on tower frames, as indicated in the aerodrome chart, and sited to allow full coverage of the aerodrome's maneuvering area. They are used as the primary source for the visual presentation displays used for the provision of AFIS at OEAO.

2 .Remote AFIS service at OEAO

2.1. The remote digital tower systems are composed of the following:

- **A visual surveillance system composed of eight fixed cameras and two movables with Pan-Tilt Zoom (PTZ) capability, which can be directed as required to zoom on fix and mobile objects within AoR. The visual surveillance is mounted on a Tower mast at a height of twenty meters is replacing** the 'Out of The Window (OTW)' view of the aerodrome and its vicinity from a conventional tower. The attached AD chart shows the location of the tower mast.

- **ATS Communication facilities**, to provide air-ground, and ground-ground communications (main and backup/emergency) in the area of responsibility through dedicated ground connections between the local radio equipment at the aerodrome and Remote Tower Center (RTC). The provision of AFIS will use the following ATS communication facilities:

Service designation	Call sign	Frequency	Hour of OPS	SATVOICE	Logon address	Remarks
1	2	3	4	5	6	7
AFIS ALULA TWR		118.000 MHZ (Main) **5 NM/8500 FT**	H24	NIL	NIL	1. Call Alula tower 15 MIN before ARR time. 2. In Case of COM failure with AFIS, Contact RFFS on 133.5 MHZ at least 15 minutes before ARR time.
		121.650 MHZ (Standby) **5 NM/8500 FT**	H24	NIL	NIL	
		121.500 MHZ	H24	NIL	NIL	
		243.000 MHZ	H24	NIL	NIL	
		350.000 MHz **5 NM/8500 FT**	H24	NIL	NIL	
ATIS	Alula ATIS	126.275 MHZ **5 NM/8500 FT**	H24	NIL	NIL	
TIBA	TIBA	122.800 MHZ	H24	NIL	NIL	TIBA procedure to be applied outside Alula ATZ.

- **Monitoring and management of navigation aids, and aeronautical ground lights features**, allowing Aerodrome Flight Information Service Officers (AFISOs) to operate and monitor NAVAIDS and AGL, which are necessary for the provision of AFIS.

- **Meteorological information interfacing**, allowing the presentation of meteorological information and conditions at RTC using appropriate data transmission links.

- **Binocular functionality** emulates the function of a binocular in a conventional tower, by allowing the AFISOs to have a close-up view of a specific location or object within AoR.

- **A Light Gun or Signaling Lamp** is remotely controlled allowing the AFISOs to communicate via a signaling lamp in the case of radiotelephony communication failure.
- **Aerodrome ambient airfield/airside audio sensors**, allowing an increased situational awareness of aircraft and vehicles' ground movements.
- **ADS-B Ground stations**, provide surveillance data broadcasted by equipped aircraft and vehicles to allow AFISOs to monitor air and ground movements at OEAO.
- **Tower Mast: the height of the tower mast is 20 meters** AGL.
- **Local and remote Monitoring functions that continuously monitor the technical status of equipment and systems used, generate alarms and warnings when failures have been detected.**

2.2. The remote aerodrome AFIS is provided using two AFIS working positions located at the RTC. Each position is equipped with the required systems to provide Aerodrome Flight Information Service through a visual presentation showing 360-degree real time videos images and labels covering the movement area and the aerodrome vicinity.

3 .Contact

3.1. For further information regarding the provision of remote AFIS at OEAO, please contact Jeddah Tower Operations by:
E-mail: Jedtwr@sans.com.sa
Tele: +966580088998.

Note:

The physical Tower is used by Rescue & Fire-Fighting Services (RFFS) as Control room and currently the tower shared between RFFS operators and AFISOs·

AIP SUP 20/24 hereby replaced.

-END-

AERODROME CHART - ICAO 26°28'59"N 038°07'07"E **ELEV 2045**

AFIS	118.000
ATIS	126.275
FRS	133.500
TIBA	122.800
FIRE & RESCUE	121.900

UNCONTROLLED AD

ALULA/Alula International

RWY	DIRECTION	THR	THR GUND	BEARING STRENGTH
12	116°	26°29'23"N 038°06'19"E	43	PCN 60 F/B/X/T ASPHALT
30	296°	26°28'34"N 038°07'55"E	43	PCN 60 F/B/X/T ASPHALT

VAR 4° E 2020

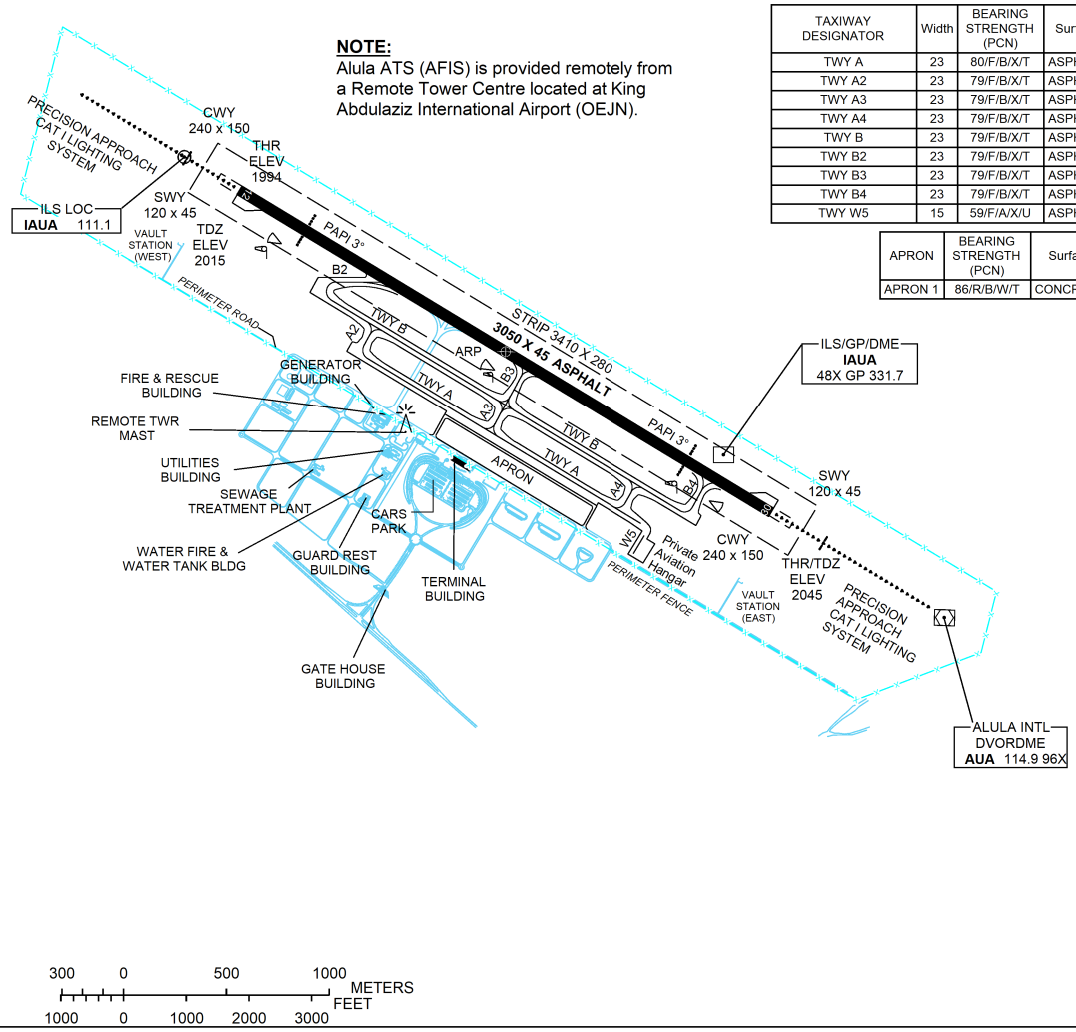
ELEV, ALT IN FEET
DIMENSIONS IN METERS
BRG ARE MAG
ANNUAL RATE OF CHANGE 3' E

NOTE:
- Call Alula tower 15 MIN before ARR time.
- In case of COM failure with AFIS , Contact RFFS on 133.5 MHZ at least 15 MIN before ARR time.

NOTE:
Alula ATS (AFIS) is provided remotely from a Remote Tower Centre located at King Abdulaziz International Airport (OEJN).

TAXIWAY DESIGNATOR	Width	BEARING STRENGTH (PCN)	Surface
TWY A	23	80/F/B/X/T	ASPHALT
TWY A2	23	79/F/B/X/T	ASPHALT
TWY A3	23	79/F/B/X/T	ASPHALT
TWY A4	23	79/F/B/X/T	ASPHALT
TWY B	23	79/F/B/X/T	ASPHALT
TWY B2	23	79/F/B/X/T	ASPHALT
TWY B3	23	79/F/B/X/T	ASPHALT
TWY B4	23	79/F/B/X/T	ASPHALT
TWY W5	15	59/F/A/X/U	ASPHALT

APRON	BEARING STRENGTH (PCN)	Surface
APRON 1	86/R/B/W/T	CONCRETE



TAKE-OFF MINIMUMS:

RWY 12: 500FT CEILING AND 3200 METERS VISIBILITY REQUIRED;OR STD WITH MINIMUM CLIMB RATE OF 286FT/NM TO 4000FT

RWY 30: 700FT CEILING AND 3200 METERS VISIBILITY REQUIRED;OR STD WITH MINIMUM CLIMB RATE OF 383FT/NM TO 4000FT

LEGEND	
RWY VISUAL RANGE (RVR)	
WIND DIRECTION INDICATOR	
SERVICE ROAD	
FENCE	
TOWER USED FOR PROVISON OF REMOTE ATS (R-TWR)	

CHANGES: *Note and FREQ revised.*